UMCSF 1.2 V1

BIOGRAPHICAL INFORMATION ON COMPANY

COMPANY Universal Manufacturing Corporation

INDUSTRY _____

SIC CODE 3679

OWNER _____

ADDRESS 14410 N.E. 190th

CITY, STATE Woodinville, WA 98072

COUNTY King

CONTACT, PHONE Lance Matheson 486-0791

If company has moved, what is (are) the former address(es):

Known hazardous wastes produced from 1975 Region X study (type, quantity, time frame):

1) 10,000 gal/month of concentrated metal salt solutions and etching solutions. Picked up by Liquid Waste Disposal Company.
2) Exhausted ion exchange resin. Replaced and picked up by Culligan.

HAZARDOUS WASTE INVENTORY

The following inventory is meant to serve as a guide in collecting information on past hazardous waste generation and management. It is meant to reflect the type of data that is of interest for each potentially hazardous waste.

Type of Waste - A general description of the waste (i.e., empty pesticide containers, spent solvents, etc.). If specific chemical compounds are known they should be included.

1) Etching solution
2) Waste salt solution, sulfuric acid, $CuSO_4$, boric acid, copper, and tin solutions.
3) Spent ion exchange material

Form of Waste - A brief description of the physical form of the waste including size, if applicable (i.e., sludges, liquid sealed in 55 gallon drums, 100 pound blocks, etc.).

1) Liquid
2) Liquid
3) Solid

Source of Waste - The particular operation responsible for generating the waste (i.e., electroplating shop, vector control, etc.).

1-3) Manufacture of circuit boards.

Quantity of Waste - Typical waste generation figures (i.e., 400 gallons/month, 5 tons/year, etc.).

1) Approximately 5,000 gal/month
2) Less than 5,000 gal/month
3) Unknown

Period of Waste Production - Time period that waste was produced (i.e., 1950-1963, 1945-present, etc.).

1) 1968-present
2) 1968-present
3) 1968-1978

Disposal Method - How wastes were disposed of, including location of disposal site if applicable (i.e., recycled in shop, incinerated, taken to county landfill, etc.).

1) Etching solutions are recycled back to the supplier.
2) Materials are picked up by Liquid Waste Disposal Company.
3) Materials were picked up by supplier, Culligan. However, that system was abandoned in 1978 and the rinse water now goes directly to Metro.

Recycling Practices - If applicable (i.e., sold to reprocessing plant, returned to vendor, etc.).

1) Spent etching solutions are currently recycled by the manufacturer.

Additional Comments -

Information on Former Producers of Waste Who are No Longer Active - Any information similar to that given above, concerning wastes generated by a company no longer in existance or any company that was located in close proximity (i.e., Sam's electroplating operated from 1961-1970 and their waste sludges were 1) recycled, 2) sewered, 3) reprocessed, etc.).

Information on Firms Producing Similar Wastes - Are the above methods also used by other firms for disposal of similar wastes? If not, what other alternatives are you aware of that have been used?

INVENTORY-POSSIBLE SOURCES OF HAZARDOUS WASTE

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EPA NUMBER: _____ NPDES#: _____
SIC CODE BEG: 3679 SIC CODE END: _____ BASIN CODE: _____
STATE: Wa. COUNTY: King CO CODE: _____

NAME: Universal Manufacturing Corp.
OWNER: _____
ADDRESS: 144th N.E. 190th, Woodenville ZIP: 98072
CONTACT: _____ PHONE: _____

LOCATION: _____
TOWNSHIP: _____ RANGE: _____ SECTION: _____
USGS MAP NAME: _____

BUSINESS TYPE
Mfg. printed circuit board
WASTE TYPES
Metal salt solutions
DISPOSAL ACTIVITIES
Disposal company
PERIOD OF OPERATION: _____

HISTORY OF SITE OR PLANT OPERATION

DETAILS OF WASTE CHARACTERISTICS, VOLUMES AND DISPOSAL OPERATION
10,000 gallons per month of concentrated metal salt and etching solution is generated. Waste is picked up for disposal by liquid waste disposal company.

SIC CODES
2679

INVENTORY-POSSIBLE SOURCES OF HAZARDOUS WASTE

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EPA NUMBER: _____

WASTE CHARACTERISTICS

IGNITABLE:		RADIOACTIVE:		SOLID:	
CORROSIVE:		INFECTIOUS:		SEMI-SOLID:	
REACTIVE:		OTHER:		LIQUID:	
TOXIC:				GASEOUS:	

TOTAL WASTE QUANTITIES

VERY LARGE AMOUNT:			COUNTED:
LARGE AMOUNT:	✓	AMOUNT OF WASTE	ESTIMATED:
SMALL AMOUNT:		10,000 gal/mo.	REPORTED: ✓
VERY SMALL AMOUNT:		TONS, YDS, BBL, ETC	MEASURED:

WASTE DISPOSAL

REGULATORY CONTROLS: _____

WASTE TRANSPORTED TO SITES #: _____ _____ _____ _____

WASTE DISPOSED INTO SEWER SYSTEM: _____

WASTE DISPOSED IN EFFLUENT: _____

WASTE DISPOSED OF ON SITE: _____

ON SITE DISPOSAL

INCINERATION:		LAND SPREADING:	
SURFACE STORAGE:		BURIAL:	
WELL INJECTION:		OTHER:	

SITE CONDITIONS

GEOLOGIC SETTING

_____

_____

HYDROLOGIC CONDITIONS

_____

_____

DISTANCE OF LAKE OR MARINE WATER: _____

DISTANCE TO SURFACE STREAM: _____

DEPTH TO GROUNDWATER: _____

DISTANCE TO WELLS OR SPRINGS: _____

DISTANCE TO NEAREST RESIDENCE: _____

USE OF SITE IF ABANDONED: _____

PHYSICAL CONTROLS AT SITE

_____

_____

SOURCES OF INFORMATION: Battelle Report

_____

COMPILER: _____ DATE: _____

Type of Notification: Interim Status Standards I.D.#: WAD044038073

Site Name: Universal Manufacturing Corp. Address: 14410 N.E. 190th St. Woodinville, WA 98072

Facility Contact(s): Mr. David Nance

Title: Plating Supervisor Phone No.: (206) 483-0277

Owner: Mr. Donald Jenkins

Location: (Long., Lat., or Sec., Range, Twnshp.) Section 3, Range 5E, Township 26N

The Company acknowledges the following hazardous waste handling:

All 1. What type of ACTIVITIES are performed at the facility?

✓ GENERATE

___ TREAT/RECYCLE

___ STORE

___ DISPOSE

___ TRANSPORT (# OF VEHICLES ___)

___ CLAIM QUANTITIES TOO SMALL TO BE REGULATED

All 2. TYPE OF WASTE handled? (Chlorinated hydrocarbons, electroplating, sludge, etc.) Amount/mth, amount/yr?

Nitric acid with copper — 150 gallons/year

Sulfuric acid with copper (Ammonia persulfate with sulfuric in it) — 250 gallons/month (variable)

Sodium hydroxide with copper (waste electroless copper) — 50 gallons/month (variable)

All 3. ADDITIONAL: Fluoboric acid with tin — 600 gallons (variable, only incidentally by accident)

A. Has the waste material been ANALYZED? By whom?

No, wastes are not mixed

20. COMMENTS: Liquid Waste Disposal has installed a 2500 gallon fibreglass-lined tank for temporary storage of spent sulfuric acid. This has reduced the number of drums on-site substantially.

Universal Manufacturing is no longer dealing with solvents. Mr. Jenkins sold the sheet metal shop side of the business to Mr. Dick Peterson, who is running the business as Universal Sheet Metal Inc. U.S.M. is in the process of applying for an EPA/State I.D. Number for spent solvent, acid, and base generation.

Universal Manufacturing has made significant progress in complying with the generator requirements.

21. Prior HISTORY OF ENFORCEMENT or violations of State or Federal regulations.

Since their last inspection in Sept. 1981 (See attached letter).

22. Prior HISTORY OF EMERGENCIES.

23. Were PHOTOS taken? No

Date: September 27, 1982

Inspector's signature and title: Julie A. Jellick Jr.

Hazardous Waste Inspector